

## Product Description

**INSULCAST 3258LIP** is an epoxy potting and encapsulating compound displaying good electrical properties, excellent hardness and adhesion. It can be cured at room temperature with **INSULCURE 12**. **INSULCAST 3258LIP** has a viscosity of 30,000 cps at room temperature (50,000cps for the Insulcast 3258LIP modified version) and is 100% solids. It is black and odorless, but other colors are available upon request.

## Properties

	<u>Part A</u>	<u>Part B</u>	<u>Mixed</u>
COLOR:	Black	Amber	
SPECIFIC GRAVITY, gms/cc:	1.5	0.96	
VISCOSITY, cps:			
Insulcast 3258LIP/Insulcure 12	30,000	400	18,000
Insulcast 3258LIP Mod./Insulcure 12	50,000	400	30,000
MIX RATIO, by weight, phr:			100:13
TENSILE STRENGTH, psi:			10,250
COMPRESSIVE STRENGTH, psi:			15,750
FLEXURAL STRENGTH, psi:			16,450
DIELECTRIC STRENGTH, volts/mil:			470
DIELECTRIC CONSTANT @ 60 Hz:			4.3
VOLUME RESISTIVITY, ohm-cm @ 75°F:			6 x 10 <sup>16</sup>
VOLUME RESISTIVITY, ohm-cm @ 300°F:			2 x 10 <sup>14</sup>
DISSIPATION FACTOR, @ 60 Hz:			0.005
DISSIPATION FACTOR, @ 300 Hz:			0.001
COEFFICIENT OF THERMAL EXPANSION, °C:			36 x 10 <sup>-6</sup>
IZOD IMPACT, ft-lb/in of notch:			0.40
IONIC CHLORIDE, ppm:			<50

## Use Instructions

Stir **INSULCAST 3258LIP** in its original container before using until uniform. Mix in appropriate ratio of curing agent as described in above table and stir thoroughly. Pot life will be from 40 minutes to as long hour depending on the amount of resin used. Pour mixture into mold coated with release agent and use vacuum only when necessary. Cure at room temperature for 4 to 6 hours. A mild post cure of 1 to 2 hours at 150°F will hasten attainment of optimum properties, and speed de-molding time.

## Date

08/2006

### IMPORTANT:

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### HEALTH CAUTION:

Avoid breathing possible fumes, mists and vapors which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of polyamine and other chemical fumes, and where applicable, solvent fumes. Use of goggles, protective garments, rubber gloves, protective cream is required. If material gets into eyes, flush thoroughly with clean water for twenty (20) minutes; then seek medical treatment. Avoid skin contact. Material can cause contact dermatitis. Always wash exposed areas immediately, using warm water and soap, followed by rinsing with clean water. Observe all safety precautions. It is important when using solvent based materials or solvents to keep away from open flame or ignition source.

**PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST AID INFORMATION.  
FOR CHEMICAL EMERGENCY, CALL CHEMTREC (DAY OR NIGHT) 800 424-9300.**